

# VZ 200

## NUMBER SLIDE

Number slide is a computer version of the puzzles that used to be given away with breakfast cereal. This version has been adapted from a ZX81 program printed in this magazine a few years ago.

The idea is to rearrange the numbers in correct order after the computer has mixed them up. The program should work on other computers without much modification.

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10 DIMA(9):BS$=CHR$(8)+CHR$(8)+CHR$(127)+CHR$(127)
12 Z$=""
15 CLS
20 FORX=1TO9
30 LETA(X)=0
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40 NEXTX
50 LETA(5)=-32
60 FORX=1TO9
70 IFX=5THENGOTO130
80 LETP=RND(8)
90 FORY=1TO9
100 IFA(Y)=PTHENGOTO80
110 NEXTY
120 LETA(X)=P
130 NEXTX
140 PRINT@224,Z$;Z$;:PRINT@8,;
200 FORX=1TO3
210 FORY=1TO3
220 PRINTCHR$(A(Y+(X-1)*3)+64);" ";
240 NEXTY
250 IFX=1THENPRINT" 123"
260 IFX=2THENPRINT" 456"
270 IFX=3THENPRINT" 789"
280 PRINT
290 NEXTX
300 PRINT
310 PRINT@256,"MOVE FROM: ";BS$;
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320 INPUTF
340 IFF>9THENGOTO310
350 PRINT
360 PRINT@320,"MOVE TO: ";BS$;
370 INPUTF
380 PRINT:IF(F=3ANDT=4)OR(F=4ANDT=3)ORT=0THEN310
390 IFT>9OR(F=6ANDT=7)OR(F=7ANDT=6)THENGOTO360
400 IFNOTA(T)=-32THENGOTO360
410 IFABS(F-T)=1ORABS(F-T)=3THENGOTO430
420 GOTO310
430 LETA(T)=A(F)
440 LETA(F)=-32
450 CLS
470 FORI7=1TO7
480 IFA(I7)>A(I7+1)THENGOTO200
490 NEXTI7
500 PRINT"CONGRATULATIONS, "
510 PRINTTAB(5)"YOU HAVE SOLVED THE PUZZLE,"
520 PRINT
530 INPUT"TRY AGAIN (Y/N) ";X$
540 IFX$<>"N"THENRUN
550 CLS:END
```

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